

# At Work With the Farmer

## ASHES FOR POTATOES.

We have heard this year of some farmers who applied a small handful of coal ashes in the hill before planting their seed potatoes, taking care to let the seed come in contact with the ashes. Their potatoes thus treated were free from rot and scab, while those in the neighborhood were very badly affected by disease. The farmer who tried this is enthusiastic over his success and proposes to apply coal ashes in the hill to as many potatoes as he can secure the ashes for. But one experiment, even though so satisfactory as this, is not conclusive. There may have been a difference in time of planting or of soil which would have saved the potatoes from rotting away. It would have been more satisfactory if a group of four or five or eight hills were ashed and some adjoining them were at the same time planted without the ashes.

As we have often explained, there is very little, if any, manurial value in coal ashes. So far as increasing the potato crop is concerned, coal ashes are useless. But the very fact that the coal ashes have no manurial value may be an advantage in growing potatoes free from rot. In contact with this material, free from manures, if there were germs on the seed potatoes that might extend and cause rot, they would be grown free from rot.

All farmers know that to put stable manure in contact with the potato would either make the soil around the seed too dry, or, in rainy season, it would furnish the best breeding place for the rot fungus. In fact, stable manure plowed under the same season is not now considered a safe practice among farmers who are experienced in growing potatoes. It is much better to manure the ground a year or two before, and so give the manure time to ferment and disappear, leaving only its condensed nitrogenous and mineral fertility in the soil.

In one way we think that in a wet season and it was while the potato crop was growing this past summer, the coal ashes may prove a benefit. They help to dry out the soil, especially that will superphosphate of lime, which is a common fault with a little excess of sulphuric acid, as most of it is. We have known farmers to use a very little phosphate in the hill with potato seed, but in this case taking care not to have it come in contact with the cut surface, which it would soon eat into and destroy. Potatoes thus treated were free from rot, while those beside them, not phosphated in the hill, were badly rotten. In this case we attribute the good effect to the drying of the soil in the hill. We can imagine that coal ashes, being inert themselves, must have operated to make the soil more dry inside the hill during the very wet weather early in the season. Even when dry weather came, this dryness in the center of the hill where the potato form is an advantage, for moisture have by this time extended to the middle of the rows.—St. Louis Globe-Democrat.

## CURE FOR CURL LEAF.

Prof. L. R. Taft of the Michigan agricultural college has announced an important discovery in that curl leaf, which has been so destructive among peaches for a few years, can be successfully treated by spraying. Prof. Taft estimates that fully nine-tenths of the crop of Elberta peaches were destroyed by curl leaf last year, all of which might have been saved by spraying.

The solution used is one pond of copper sulphate dissolved in 25 gallons of water. The tree should be covered with the spray, as a single bad escaping treatment might spread the disease. It has been found that spraying with this solution in the fall is as effective as when it is used later. It may be used at any time after the leaves fall till just before the buds begin to swell in the spring.

Those who sprayed their trees last spring before the buds started effected an almost complete extinction of the disease, while those who waited until the buds started had considerable trouble with it.

In view of the rapid spread of the disease and the simple method of destroying it, every peach grower should apply the remedy during the time between now and the beginning of next March and the earlier this is done the better, according to Prof. Taft.

## RECIPE TO CURE HAMS.

A prize of \$50 offered by the Charleston News and Courier for the best half dozen smoked-cured hams made in South Carolina was awarded to hams cured by the following recipe: To 100 pounds of meat use 4 quart salt, 4 pounds brown sugar and 3 ounces saltpeter. The ingredients to be well mixed, the salt having been eaten fine. When the meat is sold rub in two-thirds of the mixture and pack meat in a cask. The next day rub in the remaining third and that meat again in a cask, reversing the process from top to bottom. Let them remain three weeks, reversing places once a week. At the end of two weeks pour off liquor in cask, boil and skim till clear, and when cool pour over the meat again. At the end of three weeks wash meat in hot water, wipe dry and smoke three weeks, after which hang from hogs born after November 1, 1935, hams, as a small ham or shoulder would be cured a little quicker than the large and hang up. Those who put of their own hams might do well to preserve this recipe, but we would suggest that the length of time for remaining in the brine and that required for the smoking might vary a little, according to the size of the ham. Something might also depend upon the taste of those who intended to eat it, as some want little salt and others but little smoke. But this recipe is a good one as it is.

## REMEDY FOR BORERS.

Where the trees have a rough bark remove all the projections by scraping with some blunt instrument. The scrub the trunk and the lower part of the limbs with a mixture made by mixing 1 quart of soap or 1 pound of hard soap with 2 gallons of water, and after the mixture has been heated to boiling add a pint of crude carbolic acid. A small amount of paris green and lime may be added to this if desired. With the scrubbing brush apply this mixture to the trees late in May or early in June, and then twice at intervals of two or three weeks thereafter. The object of these applications is to prevent the laying of eggs and the hatching of grubs.

## FOR BLACKLEG IN CATTLE.

When black leg is prevalent in the community, mix pulverized sulphur and salt until well colored, and place where stock will get it as a preventive. When an animal is affected, take equal parts of sulphur, charcoal, and salt, and powdered ginger, mix thoroughly and add a tablespoonful twice a day (until cured) in a half pint of warm water. Drench animal from a bottle. I have known it to cure when the animal's legs had become stiff.

## MUSIC AND DRAMA.

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dolph's arms. Rudolph, being discovered, refuses to surrender and is shot by the gendarmes, falling dead beside his beloved child with the words: "The end of my life is here." Taking into consideration his long tenure of the leading roles in Mr. Frohman's stock company, where he was identified with the greatest successes of the last decade, his characterization must evidently have been of no mean order.

Mr. Frederick Forrester will play leading business with Mr. Hanford the coming season. This is his second year with Mr. Hanford, and he has filled a similar position with Frederick Warde and Clayton Clarke. Mr. Forrester spent several years in stock work previous to the above engagements.

## At the Toler.

On Monday evening the Columbia Opera company, with a well trained chorus of pretty, well dressed chorus girls coming to the Toler Auditorium, in that pleasing bill of Giorio-Gloria, made famous by Fay Tompkins, now of the Runaway Girl, New York.

The Colorado Springs Gazette says of the Columbia Opera company: "The performance of Giorio-Gloria at the Toler Auditorium last night was a genuine treat to our theatre goers. This is the best opera that has been given by this splendid company. There is not a dull moment from the rise until the fall of the curtain, and recalls were numerous. The comedy is side-splitting, the music of that brilliant catchedy order that pleases every one. The rousing ensemble in the first act received two encores, as did the drinking song in the second act. Standing room is at a premium at this popular resort and the members of the Columbia company are becoming more popular with each new opera. The Columbia company is the best seen here in many a day in light opera, and Giorio-Gloria by far the best comic opera. The costumes are very pretty, thus making a performance that is pleasing to the eye as well as the ear."

TO PHENOMENAL BUSINESS. Jack and the Beantalk and The Holy City that has attracted such large audiences at the Electric Palace on Market street, near the corner of First street, will be continued three more nights owing to the phenomenal business that has been attracted by this splendid organization. The large tent has been packed nightly by an enthusiastic audience. The performance given under canvas by the management is the best that has ever exhibited in this city. It is of a high moral standard, catering to the best class of patrons. It is instructive, of an educational character and can be visited by ladies and children. The management issues an invitation to the entire clergy of the city to visit this entertainment during the three remaining nights it will be exhibited here.

Monday night will be children's night. Seats will be given each child for one admission ticket. Prices for children will be 10 cents. This exhibition carries a lecture course which describes all the interesting features and illustrations shown by the Electric Palace company. These three last performances are positively the last that will be exhibited in the city. The company is contracted at Omaha, Neb., as one of the principal paid attractions during the big Arkansas carnival that opens October 1 and continues ten days. The company will then start on a winter tour, visiting all the principal cities of the South and East. No organization on the road today carries such a high class, moral entertainment under canvas as does the Electric Palace. From the management to the canvas men it can be credibly stated that all are found to be gentlemen, civil in their treatment of patrons and an organization deserving of the patronage of the ladies and children as well as the gentlemen.

SOME FAMOUS BOOKS AND THEIR MAKERS.

This is a remarkable lecture, and one that appeals not merely to "bookworms" but to all of us of universal interest. Mr. Perry traces book making from the time of the ancients, and shows the growth of the art from the centuries before Christ to the present day, and takes his hearers through every period in a way so simple and yet so clear that they feel benefited and refreshed at the talk. An acquaintance is formed with many of the famous books of the world of all ages—from the mysterious and cumbersome "first chapters" to the marvelous and beautiful creations of the present, that could be had only after long and exhaustive study and the careful reading of numerous volumes; and even then have had no illustrations to help out the understanding. This lecture is fully illustrated and care has been taken to have its every feature brought out on the screen to accompany the narrative. Mr. Perry carries with him hundreds of books for actual exhibit, and only for exhibit, there being nothing for sale, direct, or indirectly. And a more wonderful display of choice books of many of them, and a still greater number in the most sumptuous and magnificent bindings ever made, has never been known. All ages since the art of printing was discovered are represented by precious volumes, while hand-made (lettered and illustrated by hand) books of the days prior to those of the printing press are also in this collection. Works in many languages are here, among the number being some in Arabic, Chinese, Persian, Hebrew, Sanskrit and Italian, as well as Greek, Latin, Spanish, French, German and English. Among the books of the past century, and the present, are many in bindings designed and executed entirely by women, and they are worthy of their makers. It has been said by some people that the books of the past are "dead" and "lifeless," and have traveled extensively, that there are many volumes of such rarity that not even in the greatest libraries of the world are they to be found. Last year Mr. Perry gave this lecture, "Some Famous Books and Their Makers," in Grand Rapids, Mich. They asked him to repeat it this coming season. On account of their hall being so poor for speaking he declined the invitation. They then offered him \$500 and told him to come to 200 if he would give them and merely show his books, which offer he accepted. Mr. Perry will give this lecture November 3 and November 4 will exhibit his books. These are the third and fourth attractions on the Center Star Lecture Course. You cannot afford to miss one of them. There is an education in each entertainment. The number of tickets is necessarily limited on account of the seating capacity of the hall.

## CLASSIFIED

### REAL ESTATE FOR SALE.

FOR SALE—A big bargain in 30-foot vacant lot on West Douglas avenue, near the Missouri Pacific depot. A 2-foot business property on West Douglas, near the depot. 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-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